HIERARCHY SHEET FOR MINI SOOM

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A/12	MATCH ASSY ONLY PER EO# 100977	6/29/98	SMN/MEP

JP4 1 2 W6

JP5 1 VCC, 2 GND, 3 GND, 4 +15, 5 GND, 6 -15, 7 -6, 8 TXD, 9 RXD, 10 CTS/, 11 RESET/, 12 GND, 13 C-LOCK, 14 GND

CPU
- TXD
- RXD
- CTS/
- RESET/
- C-LOCK
- W[1..5]
- VCC
- D GND
- ADC RESET/
- RESISTORS
- ADCCHN
- ADCSTART/
- ADCDATA
- DATACLK
- SLEEP/
- IRLED/
- REDLED/
- DACADDR
- DAC1WR/
- DAC2WR/
- DACBUS[0..7]
- SATIN
- COMPARE1
- COMPARE2
- REDGATE/
- IRGATE/
- LEMO/

W[1..5]

DACBUS[0..7]

LED DRIVER
- IRLED/
- REDLED/
- DACADDR
- DAC1WR/
- DACBUS[0..7]
- -6V
- +15V
- -15V
- REF2.5
- +VA
- -VA
- S GND
- VCC
- -LED
- +LED
- LED GND

LEMO CONNECTOR

JP3 1 DETECTOR, 2 -15V, 3 GND, 4 +15, 5 GND, 6 VCALIN, 7 -LED, 8 VTHERM, 9 +LED, 10 GND

D-9 CONNECTOR

JP1 1 ANNODE, 2 N.C., 3 GND, 4 CATHODE, 5 GND, 6 VCALIN, 7 -LED, 8 VTHERM, 9 +LED, 10 GND

R23 W1 100K

R26 W2 100K

R21 W3 100K

R27 W4 100K

R20 W5 100K

JP2 1 2 W1, 3 4 W2, 5 6 W3, 7 8 W4, 9 10 W5

ADC
- SLEEP/
- DATACLK
- ADCDATA
- ADCSTART/
- ADCCHN
- RESISTORS
- ADC RESET/
- -6V
- VCC
- D GND
- IR_ADC
- RED_ADC
- REF2.5
- +VA
- -VA
- S GND
- VCAL1
- VCAL2
- VTHERM

FILTERS
- RED_ADC
- IR_ADC
- RED
- IR
- REF2.5
- -VA
- S GND
- +VA

SYNCHRONOUS DEMODULATOR
- SATIN
- DAC2WR/
- DACBUS[0..7]
- COMPARE1
- COMPARE2
- REDGATE/
- IRGATE/
- +15V
- -15V
- +VA
- -VA
- S GND
- RED
- IR
- V-
- V+
- XX

LEMO CONNECTOR
- D GND
- S GND
- +VA
- LEMO/
- REF2.5
- +15V
- -15V
- VCC
- VCAL1
- VCAL2
- -VA
- XX
- DETECTOR
- ANNODE
- CATHODE
- VCALIN1
- VCALIN2
- V+
- V-

WH. REQD.	NEXT ASSY.		
DIMENSIONAL TOLERANCES UNLESS OTHERWISE NOTED			
DEC.	FRAC.	ANG.	
.XX +/-	+/-	+/-	
.XXX +/-	SCALE	—	

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TITLE: SCHEMATIC, MINI SOOM, MP-203

NELLCOR

DRAWN PS	DATE 6/22/90	
ENG. J CRAIG	DATE 7/3/90	
CHECKED C RODRIGUEZ	DATE 7/3/90	
APPROVED J CRAIG	DATE 7/3/90	

AGAD REF. 3909AC1.DWG

DRAWING NUMBER 009590 — REV A/12 — SHEET 1 OF 7

LEMO CONNECTOR

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
	SEE SHEET 1		

V-
XX
V+
VCC
D GND
-15V
LEMO/
S GND
+15V
+VA
-VA
REF2.5
VCAL1
VCAL2
DETECTOR
ANNODE
CATHODE
VCALIN1
VCALIN2
+15V
+VAO
-15V
0VCC
0GND
+VA
-VA
PIN 8 TO GND FOR OPA121
T7
T12
T3
T15
T1
T9
R43 100
R61 1.00K
R7 100
R35 100
R40 499K
R44 75.0K
R38 100K
C2 10UF
C31 0.047UF
C35 0.047UF
C36 0.047UF
C41 0.047UF
C44 0.047UF
C33 22PF
C32 0.047UF
C11 0.047UF
C18 0.047UF
C79 0.047UF
C16 0.047UF
R17 7.50K0.1%
R16 7.50K0.1%
U10A IH5051
U4D DG444
U4C DG444
U8 LT1055S8
U21A TL062
U21B TL062

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DRAWN PSI	DATE 6/22/91	D
ENG.	DATE	DRAWING NUMBER 009590
CHECKED	DATE	REV A/12
APPROVED	DATE	SHEET 2 OF 7

SYNCRONOUS DEMODULATOR

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
	SEE SHEET 1		

COMPARE1
XX
+15V
+VA
S GND
-VA
-15V
DACBUS[0..7]
DAC2WR/
COMPARE2
SATIN
V+
V-
REDGATE/
IRGATE/
D2 MMBD6050
T11
T4
R37 1.00K
C34 0.047UF
R39 499K
R41 154K
U7A TLC27L2
R59 51.1K
C55 0.1UF
C4 75PF
R9 51.1K
U13B TLE2022
U9 DAC7524
DACBUS0
DACBUS1
DACBUS2
DACBUS3
DACBUS4
DACBUS5
DACBUS6
DACBUS7
C43 0.047UF
C48 10PF
C53 0.047UF
U13A TLE2022
C49 0.047UF
C47 390PF
R49 51.1K
R50 1.00K
U14B TLE2022
T8
R8 50K SIP
R42 1.00K
R51 1.00K
U7B TLC27L2
D3 MMBD6050
R33 499K
R32 154K
C40 0.047UF
U10B IH5051
C54 0.047UF
U14A TLE2022
C51 0.047UF
U15B IH5051
U15A IH5051
C56 0.047UF
C52 0.047UF
C50 0.047UF
RED
IR

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TITLE: SCHEMATIC, MINI SOOM, MP-203

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DRAWING NUMBER 009590 — REV A/12

SHEET 3 OF 7

FILTERS

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
	SEE SHEET 1		

+VA → +VA

S_GND

-VA → -VA

RED → R14 34.8K → R76 75.0K → U22A (OP490GS)
R80 75.0K, C78 0.047UF, C12 0.22UF
+VAO → C77 0.047UF
-VAO → C69 0.047UF

U22A → R66 34.8K → U22C (OP490GS)
R15 75.0K, C74 0.047UF, C15 0.22UF

U22C → R74 51.1K → U23A (TL062)
C14 0.1UF, R69 100K, C76 0.047UF
-VAO, +VAO, C72 0.047UF
T13 → RED_ADC

IR → R10 34.8K → R70 75.0K → U22D (OP490GS)
R67 75.0K, C64 0.047UF, C10 0.22UF

U22D → R79 34.8K → U22B (OP490GS)
R82 75.0K, C63 0.047UF, C17 0.22UF

U22B → R78 100K → U23B (TL062)
C13 0.1UF, R73 100K
T14 → IR_ADC

REF2.5 → R12 100K
C58 0.047UF, R68 1.00K

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DRAWN PH	DATE 8/22/80	D	AGAD REV. 230SSAD4.DWG
ENG.	DATE		DRAWING NUMBER 009590
CHECKED	DATE		REV A/12
APPROVED	DATE		SHEET 4 OF 7

ADC

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
	SEE SHEET 1		

VCAL1
RED_ADC
IR_ADC
VCAL2
RESISTORS
U24A DG444
U24B DG444
U24C DG444
U24D DG444
-VAO
+VA
R83 100
C61 1000PF
R77 100
C73 1000PF
U17A 74HC14
+VAO
C68 0.047UF
C6 10UF
U19 REF43GS
T10
C62 0.047UF
C7 10UF
R63 3.0
R64 3.0
REF2.5
VTHERM
R65 10.0K
C59 0.047UF
-VAO
D5 HSMS-2820
C5 10UF
U18 ICL7664A
-6V
C57 0.047UF
R56 100K
R58 34.8K
+VD
R60 10
C8 1UF
C60 0.047UF
C75 0.047UF
+VAO
R57 10
+VA
VCC
-VD
R62 10
C65 0.047UF
C71 0.047UF
-VA
Y2 800KHZ
R81 1.00M
C9 1UF
OGND
S GND
D GND
C66 100PF
C70 100PF
CLKIN
XDUT
VREF
AIN1
AIN2
CH1/2
HOLD
SDATA
SCLK
SLEEP
CRS/FIN
RST
CS5102
VD+
DGND
VD-
VA+
AGND
VA-
REFBUF
TEST
STBY
SSH
TRK1
TRK2
BP/UP
OUTMOD
SCKMOD
CODE2S
U20
C67 0.1UF
R71 0
R72 0
LOAD R72
DO NOT LOAD R71
ADC RESET/
SLEEP/
DATACLK
ADCDATA
ADCSTART/
ADCCHN

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TITLE: SCHEMATIC, MINI SOOM, MP-203

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DRAWN PSI — DATE 8/22/00
ENG — DATE
CHECKED — DATE
APPROVED — DATE

SIZE D — DRAWING NUMBER 009590 — REV A/12 — SHEET 5 OF 7

L.E.D. DRIVER

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
	SEE SHEET 1		

VCC — VCC
-6V — -6V
LED GND
S GND
+VA — +VA
-VA — -VA
+15V — +15V
-15V — -15V

REDLED/
IRLED/

R24 10 — VCCO
C1 10UF
R6 4.99K
R5 4.99K
Q1 MMBT4403
Q2 MMBT4403
+LED
-LED

R18 10 — VCCO
C26 0.047UF
U3A TL062
R31 1.00K
R36 1.00K
C29 0.047UF
D1 MMBD6050
-6V
Q3 MMBT4401
Q4 MMBT4401
R29 1.00K
T2
R1 10
Q5 2N7002
Q6 2N7002

REF2.5
R13 34.8K
R28 10.0K
C28 0.047UF
U3B TL062

DACBUS[0..7] — DACBUS[0..7]
DACBUS0 DACBUS1 DACBUS2 DACBUS3 DACBUS4 DACBUS5 DACBUS6 DACBUS7
U1 DAC7528
DB0 DB1 DB2 DB3 DB4 DB5 DB6 DB7
VDD RFB A OUT A VREF A VREF B OUT B RFB B A GND D GND
NC NC
DACADDR
DACWR/
R19 4.99K

+VA
C22 1000PF
C21 1000PF
C20 0.047UF

IR CURRENT
U4B DG444
R2 100K
R3 1.00K
R4 499K
-VA

U4A DG444
-15V
R34 1.00K
C27 0.047UF
R25 1.00K — +15V
C23 0.047UF
+VA
RED CURRENT

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TITLE: SCHEMATIC, MINI SOOM, MP-203

NELLCOR®

DRAWN PSE	DATE 8/22/90	D	ACAD REF. 5980ACAD.DWG
ENG.	DATE		GRAPHIC NUMBER 009590
CHECKED	DATE		REV A/12
APPROVED	DATE		SHEET 6 OF 7

CPU

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
	SEE SHEET 1		

LOAD R45 AND R47 FOR N27C256
LOAD R48 AND R52 FOR N27C512

LOAD R54 FOR 20256 ONLY
DO NOT LOAD R54 FOR 5565

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DRAWN PH	DATE 8/22/90	D	ACAD REF. S9000ABC7.DWG
ENG.	DATE		DRAWING NUMBER 009590
CHECKED	DATE		REV A/12
APPROVED	DATE		SHEET 7 OF 7

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
01	9685	CHG TO AGREE	MA	10/17	BS	
02	9775	ADD 2276 TO TABLE	RL	12/93	BS	
03	9760	SEE ECN	JC	1-94	BS	
01	9911	SEE ECN	SAS	3-94	BS	

HIGHEST COMP. REF. DESIG.	UNUSED
U67	
R300	R275
C150	
RN10	
Q13	Q6
D66	
J9	

NOTES: UNLESS OTHERWISE SPECIFIED
1. * DENOTES 1/8W, 1% RESISTOR.
2. RESISTANCE IS IN OHMS.
3. ALL RESISTORS ARE 1/4W, 5%.
4. SIGNAL NAMES FOLLOWED BY A * ARE LOW TRUE. EX: RESET*

ARTWORK PROVISION ONLY

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D9614C	510/511
NEXT ASSY	USED ON
APPLICATION	

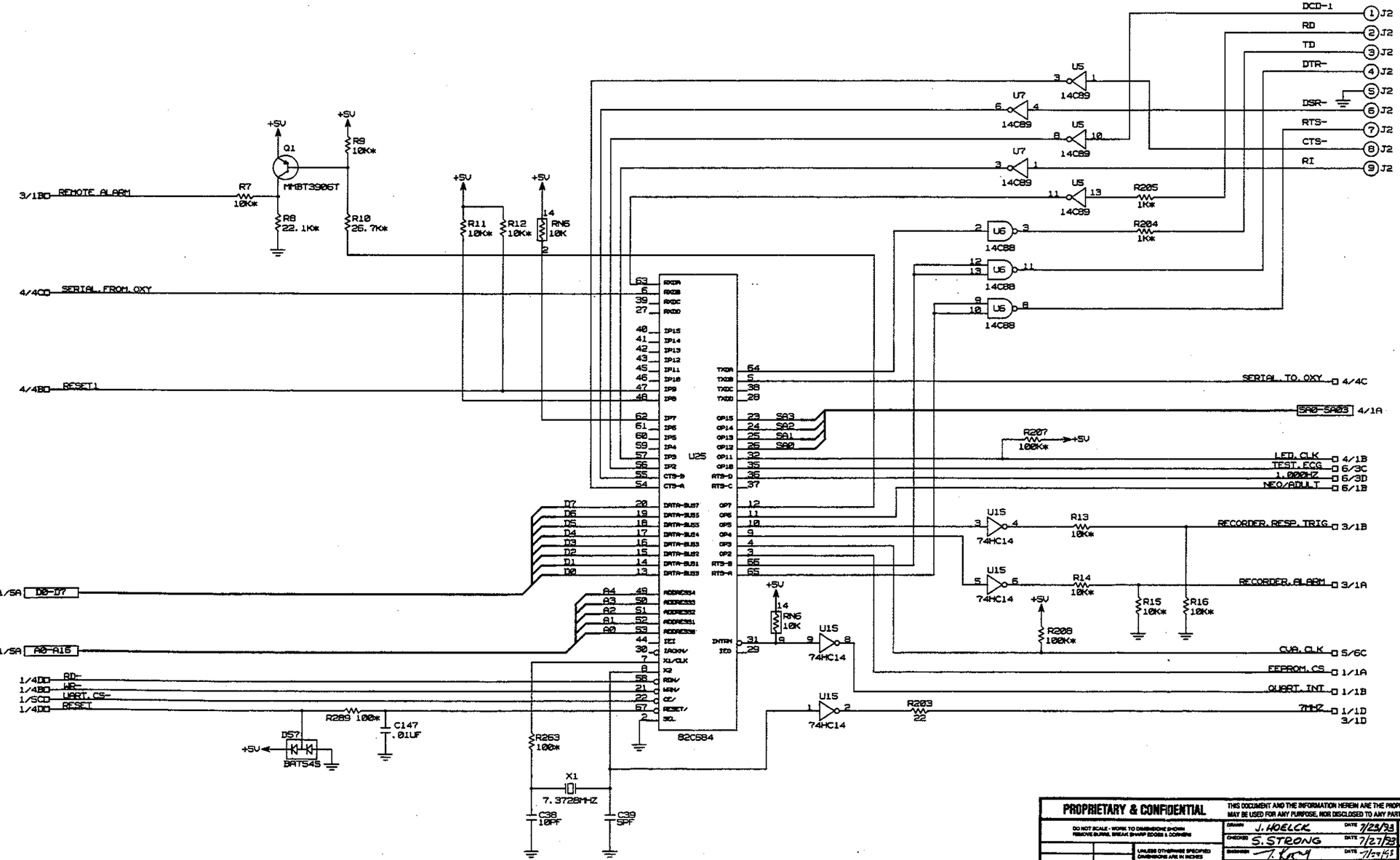
DRAWN R. LIBBY 12-23-93 — CHECKED S. STRONG 1/27/93 — ENGINEER — APPROVED — MATERIAL — FINISH

COROMETRICS® MEDICAL SYSTEMS, INC. BARNES INDUSTRIAL PARK, WALLINGFORD, CONNECTICUT

TITLE: SCHEMATIC MAIN BOARD

SIZE D | DRAWING NUMBER 9614CC | REV. 01 | SCALE | SHEET 1 OF 6

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
		SEE ECN				



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DO NOT SCALE - WORK TO DIMENSIONS SHOWN REMOVE BURRS, BREAK SHARP EDGES & CORNERS	DRAWN J.HOELCK DATE 7/26/93	COROMETRICS® MEDICAL SYSTEMS, INC. BARNES INDUSTRIAL PARK WALLINGFORD, CONNECTICUT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CHECKED S.STRONG DATE 7/27/93	TITLE MODEL 510 MAIN BOARD SCHEMATIC	
FRACTIONS ±	ENGINEER J.Hoelck DATE 7/27/93		
2 PLACE DECIMALS ±	APPROVED J.Hoelck DATE 7/27/93		
3 PLACE DECIMALS ±	MATERIAL ~	FINISH ~	SIZE D DRAWING NUMBER 9614CC REV. 01
ANGLES ±			SCALE ~ SHEET 2 of 6
NEXT ASSY 510/511 USED ON			
APPLICATION			

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
		SEE ECN				

6/1DO EXT/SPO2
6/1CO EXT ANALOG
5/6BO ANALOG.HR
5/6BO ANALOG.HR.COM
5/6BO ECG.NONAGC
5/6BO ECG.NONAGC.COM
5/6CO ECG.AGC
5/6CO ECG.AGC.COM
6/4AO ECG.TRIG
2/6CO RECORDER.ALARM
2/6CO RECORDER.RESP.TRIG
5/6BO RESP.FILT
5/6BO RESP.FILT.COM
5/6BO RESP.UNFILT
5/6BO RESP.UNFILT.COM
6/2BO QRS
2/1BO REMOTE ALARM
4B,6/6DO TEST.MODE-
6/6CO BATT TEST
5/1DO LEADS.OFF
1/5A D0-D7
1/4DO RESET
1/5A A0-A16
1/4DO RD-
1/4BO WR-
1/5CO PPI.CS-
1/1DO 7MHZ
2/6D

5/6AO RAWECG
5/3DO RAWRESP
5/3DO BASE.R

J3 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

SHIELD

+5V
DS9 BAT54S
DS0 BAT54S
DS8 BAT54S
R290 100K*
C148 .01UF
RESET
D0 D1 D2 D3 D4 D5 D6 D7
A0 A1
RD WR CS
U27 82C55
PA0 PA1 PA2 PA3 PA4 PA5 PA6 PA7
PB0 PB1 PB2 PB3 PB4 PB5 PB6 PB7
PC0 PC1 PC2 PC3 PC4 PC5 PC6 PC7
NELL.COR.CTS- 4/4C
POWER.OFF 4/4B
R291 680 LUNG* 4/1B
R292 680 HEART* 4/1A
OXY.PROBE.PRESENT 4/4C
NELL.COR.OPT 4/4C
ON.BATT 4/2B
TEST.MODE- 1B,6/6D
LEADS.OFF- 5/1D
PACEMAKER 5/1D
S11.TD- 4/1A
SP02.DISPLAY- 3/3A

U35 74HC163
U15 74HC14
SERIAL.BAUD 1/1B
R264 1K*
U34 74HC4040
U47 74HC163
U15 74HC14
A/D.CLK 6/6C
T2.CLK 1/1B
960HZ 1/1B
28800HZ 1/1B 5/1D
NOTCH.CLK 5/1D
RN5 10K
U50 EP320

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REMOVE BURRS, BREAK SHARP EDGES & CORNERS
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ±
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±
NEXT ASSY 510/511
USED ON
APPLICATION

DRAWN J.HOELCK DATE 7/23/93
CHECKED S.STRONG DATE 7-27-93
ENGINEER DATE 7-27-93
APPROVED DATE 7-27-93
MATERIAL
FINISH

CORDMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK WALLINGFORD, CONNECTICUT

TITLE MODEL 510 MAIN BOARD SCHEMATIC
SIZE D
DRAWING NUMBER 9614CC
REV. 01
SCALE
SHEET 3 of 6

BRUNING 75550

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
.	.	SEE ECN				

SA0-SA3

1/1A0 +SENSE

+5.OXY

OXY.GND

J5 C1
J5 C2 S.IN 1/1B
J5 C3
J5 C4 SA1
J5 C5 S11.ID- 3/4C
J5 C6 HEART* 3/4B
J5 C7 LUNG* 3/4B
J5 C8
J5 C9
J5 C10 LED.CLK 2/6C
J5 C11 +5V.P
J5 C12
J5 C13 -5V
J5 C14 +5V.A
J5 C15
J5 C16 +5V
J5 C17 +12V
J5 C18
J5 C19
J5 C20
J5 C21
J5 C22 B0D- 1/3B
J5 C23
J5 C24 BCLK 1/3B
J5 C25
J5 C26 A14
J5 C27 A11
J5 C28 A8
J5 C29 D6
J5 C30 D3
J5 C31 D0
J5 C32

J5 B1
J5 B2 S.CLK 1/1A
J5 B3
J5 B4 SA2
J5 B5 SA0
J5 B6
J5 B7 PWR2
J5 B8
J5 B9 ON.BATT 3/4B
J5 B10 BPOWER.OFF
J5 B11 +5V.P
J5 B12
J5 B13 -5V
J5 B14 +5V.A
J5 B15
J5 B16 +5V
J5 B17
J5 B18
J5 B19
J5 B20
J5 B21
J5 B22
J5 B23 BWR- 1/3B
J5 B24
J5 B25 BRESET- 1/4D
J5 B26
J5 B27 A12
J5 B28 A9
J5 B29
J5 B30 D4
J5 B31 D1
J5 B32

J5 A1
J5 A2 S.OUT 1/1A
J5 A3
J5 A4 SA3
J5 A5 SPO2.DISPLAY- 3/4C
J5 A6 RESET1 2/1C
J5 A7 RESET2
J5 A8
J5 A9
J5 A10 AUDIO.CLK 1/1B
J5 A11 +5V.P
J5 A12
J5 A13 +5.00REF 6/5B
J5 A14 +2.5V
J5 A15
J5 A16 +5V
J5 A17 -12V
J5 A18
J5 A19
J5 A20
J5 A21
J5 A22 EXT.INT- 1/1B
J5 A23
J5 A24 BALE 1/3B
J5 A25
J5 A26 A15
J5 A27 A13
J5 A28 A10
J5 A29 D7
J5 A30 D5
J5 A31 D2
J5 A32

R281 100* U46 74AC86 POWER.OFF 3/4B; DEAD.BATT 1/2A

OXY.GND
+SENSE
1/1B0 C.LOCK
3/4B0 NELLCOR.CTS-
2/1B0 SERIAL.FROM.OXY
+5V R297 100K*
3/4B0 NELLCOR.OPT
2/6C0 SERIAL.TO.OXY
BRESET-
3/4B0 OXY.PROBE.PRESENT
+5.OXY

J5 97
J5 98
J5 99
J5 100
J5 101
J5 102
J5 103
J5 104
J5 105
J5 106
J5 107
J5 108
J5 109
J5 110
J5 111
J5 112
J5 113
J5 114
J5 115
J5 116
J5 117
J5 118
J5 119
J5 120
J5 121
J5 122
J5 123
J5 124
J5 125
J5 126
J5 127
J5 128

+5V
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 → U64 U64 U65 U65 U65 U65 U65 U65 U65 U65 U65 (74S1051)
U66 100/100PF
U67
A12 A13 A14 A15 → U65 U64 U64 U65 U64 U64 U64 U64 U64 U64 U64 (74S1051)
U67 100/100PF
D0 D1 D2 D3 D4 D5 D6 D7

A0-A16
D0-D7

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REMOVE BURRS, BREAK SHARP EDGES & CORNERS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ±
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±

NEXT ASSY 50511 USED ON
APPLICATION

DRAWN	J.HOELCK	DATE 7/28/93
CHECKED	S.STRONG	DATE 7/27/93
ENGINEER	J.Kopf	DATE 7/27/93
APPROVED	J.Kopf	DATE 7/27/93

MATERIAL | FINISH

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

TITLE MODEL 510 MAIN BOARD SCHEMATIC

SIZE	DRAWING NUMBER	REV.
D	9614CC	01

SCALE — SHEET 4 of 6

75550 BRUNING

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
-	...	SEE ECN				

ISOLATION BARRIER

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRACTIONS ±

2 PLACE DECIMALS ±

3 PLACE DECIMALS ±

ANGLES ±

NEXT ASSY | USED ON

APPLICATION

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

DRAWN	J. HOELCK	DATE 7/23/93
CHECKED	S. STRONG	DATE 7-27-93
ENGINEER	T. Kelly	DATE 7-27-93
APPROVED	T. Kelly	DATE 7-27-93

MATERIAL ~ | FINISH ~

TITLE: MODEL 510 MAIN BOARD SCHEMATIC

SIZE	DRAWING NUMBER	REV.
D	9614CC	01

SCALE ~ | SHEET 5 of 6

REV	ECH	DESCRIPTION	DFT	DATE	CHKD	APPD

ARTWORK PROVISION ONLY

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FRACTIONS ±
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±

NEXT ASSY: 510511 | USED ON: APPLICATION

DRAWN	J. HOELCK	DATE 7/23/93
CHECKED	S. STRONG	DATE 7/27/93
ENGINEER		DATE 12/7/93
APPROVED		DATE 12/7/93

COROMETRICS® MEDICAL SYSTEMS, INC. BARNES INDUSTRIAL PARK WALLINGFORD, CONNECTICUT

TITLE: MODEL 510/511 MAIN BOARD SCHEMATIC

MATERIAL | FINISH

SIZE	DRAWING NUMBER	REV.
D	9614CC	01

SCALE | SHEET 6 OF 6

79550 9/RUNNING

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
01	9711	RMV JMP1	RL	12-93	BS	

HEART RATE
RESP RATE
Sp02 %
LTM-8522G
TLE2062
74AC02
1N5818
1N4148
LTL3231A
2N6122
ACROSS U7-10
ARTWORK PROVISION ONLY
BEEPER
MAX
MIN

NOTES: UNLESS OTHERWISE SPECIFIED
1. * DENOTES 1/8W, 1% RESISTOR.
2. RESISTANCE IS IN OHMS.
3. ALL RESISTORS ARE 1/4W, 5%.
4. SIGNAL NAMES FOLLOWED BY A * ARE LOW TRUE. EX: RESET*

HIGHEST COMP. REF. DESIG.	UNUSED
U8	
R9	
C30	
D17	
LED24	LED4, 5
SW2	
RN2	

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. FRACTIONS ±, 2 PLACE DECIMALS ±, 3 PLACE DECIMALS ±, ANGLES ±

C9812A	511
NEXT ASSY	USED ON
APPLICATION	

DRAWN	R.LIBBY	DATE 12-1-93
CHECKED	S. STRONG	DATE 12-23-93
ENGINEER		DATE 8-22-93
APPROVED		DATE 8-24-93

CORDMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK, WALLINGFORD, CONNECTICUT

TITLE: SCHEMATIC
DISPLAY PANEL

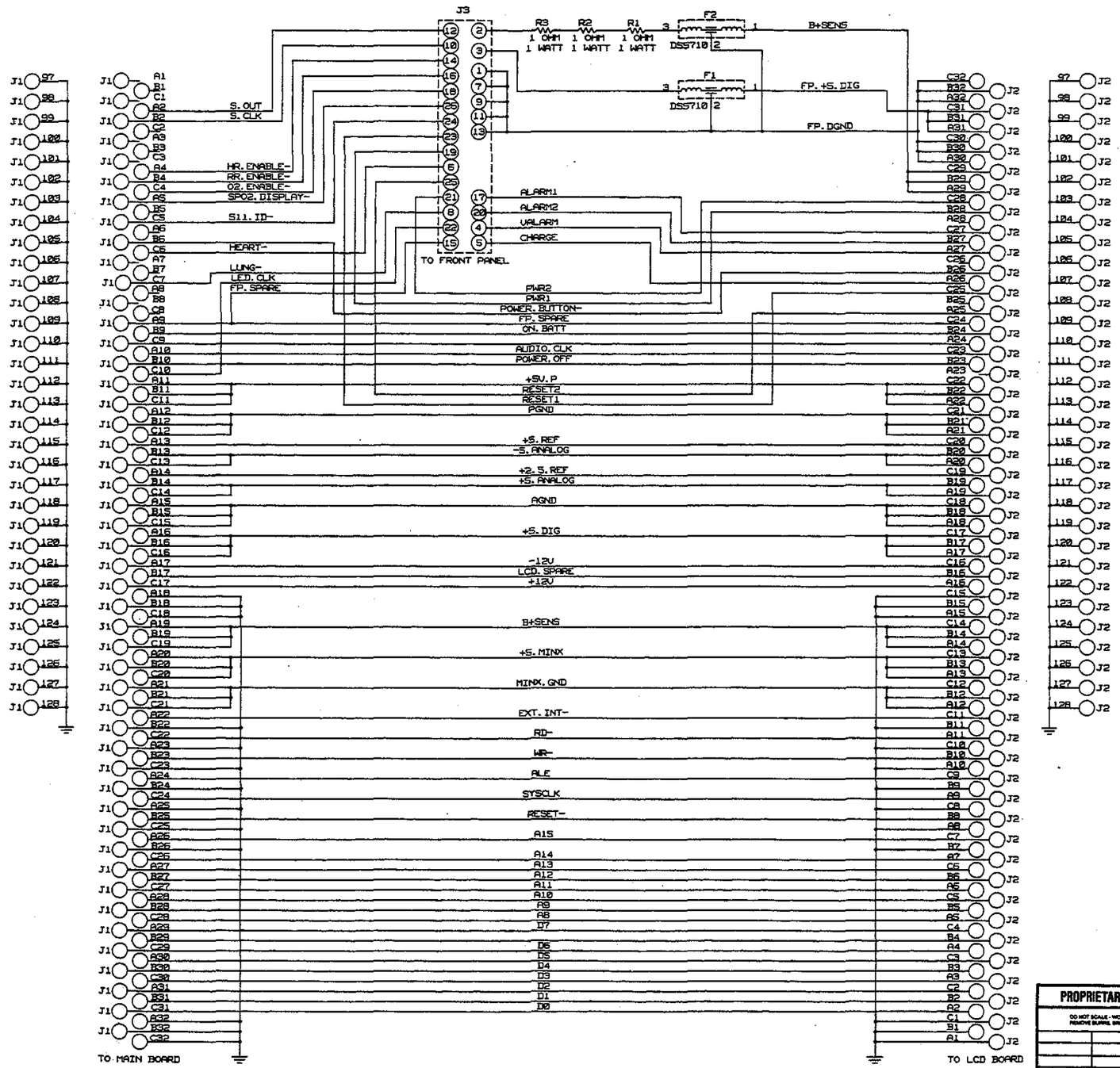
MATERIAL	FINISH
~	~

SIZE	DRAWING NUMBER	REV.
D	9812AC	01

SCALE | SHEET 1 of 1

75550 BRUNING

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
01	9501	SEE ECN	PL	11.93	BS	AK



HIGHEST COMP. REF. DESIG.	UNUSED
J3	
R3	
F2	

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FRACTIONS ± X
2 PLACE DECIMALS ± .X
3 PLACE DECIMALS ± .XX
ANGLES ± X

C9966A	S11
NEXT ASSY	USED ON
APPLICATION	

DRAWN	R. LIBBY	DATE 11-30-93
CHECKED	S. Strong	DATE 12/8/93
ENGINEER	T. Byrne	DATE 12/15/93
APPROVED	T. Libby	DATE 12/15/93

MATERIAL: X
FINISH: X

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

TITLE: SCHEMATIC
INTERCONNECT BD

SIZE	DRAWING NUMBER	REV.
D	9966AC	01

SCALE | SHEET 1 OF 1

BRUNING 75550

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
00	9457	INITIAL RELEASE	J.C.H.	8/24/93	BS	J.K.
01	9676	CHG TO AGREE	MM	11/93	BS	MP
02	9675	SEE ECN	RL	1-94	BS	J.K.
CC 00	9911	CHG R40 FROM 4.7M to 1M#	JAS	3/94	BS	D.R.

MEMORY MAP

0900h - (Rd): STATUS REG
- BIT 6 - 1 = LEFT BUTTON PUSHED
- BIT 5 - 1 = MIDDLE BUTTON PUSHED
- BIT 4 - 1 = RIGHT BUTTON PUSHED
- BIT 3 -
- BIT 2 - POWER BUTTON
- BIT 1 - RESET BUTTON
- BIT 0 -

0900h - (Wr): POWER CONTROL REG
- BIT 3 -
- BIT 2 -
- BIT 1 - 1 = POWER OFF

0901h - (Rd): MEMORY CARD STATUS REG
0901h - (WR):
0908h - (Wr): AUDIO LEVEL CONTROL
0910h - (R/W): LCD BASE ADDRESS
0920h - (R/W): WINDOW CNTL REG 0
0921h - (R/W): WINDOW CNTL REG 1
0928h - (Rd): MEMORY CARD INTERNAL REG

NOTE: FOR '245, DIR= HIGH TRANSFERS A TO B

T (su) RS,R/W TO E = 140ns
T (w) MIN WIDTH OF E = 450ns
T (h) RS,R/W, DATA AFTER E = 20ns
T (acc) E TO DATA VALID (read) = 320ns
T (su) DATA (write) TO E (high) = 195ns
T (cyc) E (HIGH) TO E (HIGH)

A1 (HIGH = DATA XFR LOW = INSTRUCTION XFR)
A0 (HIGH = READ DATA FROM LCD)

VOLUME CONTROL

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FRACTIONS ±
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±

NEXT ASSY	USED ON
D10080A	510/511

APPLICATION

DRAWN	J. HOELCK	DATE 8/20/93
CHECKED	S. STRONG	DATE 8-23-93
ENGINEER	J. Kopf	DATE 8-24-93
APPROVED	J. Kopf	DATE 8-24-93

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK WALLINGFORD, CONNECTICUT

TITLE: MODEL 510/511 LCD BOARD SCHEMATIC

MATERIAL: ~ FINISH: ~

SIZE	DRAWING NUMBER	REV.
D	10080CC	00

SCALE ~ SHEET 1 of 4

75350 BRUNING

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD

+5V

RN4 RN2 RN2 RN2 RN2 RN2 RN2 RN2 RN2 RN3 — 100K

A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11

RN3 RN3 RN3 RN3 RN3 RN3 RN4 RN4 RN4 RN4 — 100K

N-A12 N-A13 N-A14 N-A15 N-A16 N-A17 N-A18 N-A19 N-A20 N-A21 N-A22 N-A23

A0-A15

D0-D7

N12-N23

U14 74HC245

D7 D6 D5 D4 D3 D2 D1 D0 — N-A19 N-A18 N-A17 N-A16 N-A15 N-A14 N-A13 N-A12

U23 74HC244

N-A23 N-A22 N-A21 N-A20 — N-A15 N-A14 N-A13 N-A12

CARD_CS-

WR-

BUF_CARD_CS- ▢ 3/1B

BUF_RD- ▢ 3/1B

BUF_WR- ▢ 3/1B

IOCS = * (RD- + WR-)

1/3A0 WR/RD-

RD = * IOCS = * A0

U17

A12 A1 A0 — +5V — RD-

N-A19 N-A18 N-A17 N-A16 N-A15 N-A14 N-A13 N-A12

EP610

CARD.CS- = A15- * A14- * A13

U16

A12 A1 A0 — +5V

N-A19 N-A18 N-A17 N-A16 N-A15 N-A14 N-A13 N-A12

EP610

+5V

RN1 100K RN1 100K

TEST_ENABLE-

U15

A15 A14 A13 A1 A0 — CARD_CS- WCR0.HI- WCR0.LO- WCR1.HI- WCR1.LO-

EP320

WCR1.LO = =
IOCS = * A1 * A0 = * WR-

A15	A14	A13	A12	
0	0	1	0	WINDOW0 = 2000 - 2FFFH
0	0	1	1	WINDOW1 = 3000 - 3FFFH

920 = WCR0 - LO
921 = WCR0 - HI
922 = WCR1 - LO
923 = WCR1 - HI

1/4B0 IOCS-
1/3B0 RD-
1/2B0 WR-

IOCS DECODES 920h - 927H

+5V

D10 D11 D12 D13 — 1N4148

CARD.CS- = A15- * A14- * A13

CARD_CS- ▢ 3/1A

INTERNAL RAM PAGES = F00 - FFF

+5V

DAN801 DAP801

A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 — U8 U11 — U9 U12

U11

9 8 7 6 5 4 3 2 9 2 3 5 4 8 7 5

100/100PF

ARTWORK PROVISION ONLY

+5V

DAN801 DAP801

D0 D1 D2 D3 D4 D5 D6 D7 — U18 — U19

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FRACTIONS ±
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±

NEXT ASSY | USED ON
APPLICATION

DRAWN J. HOELCK DATE 8/24/93
CHECKED S. STRONG DATE 8-24-93
ENGINEER DATE 8-24-93
APPROVED DATE 8-26-93

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

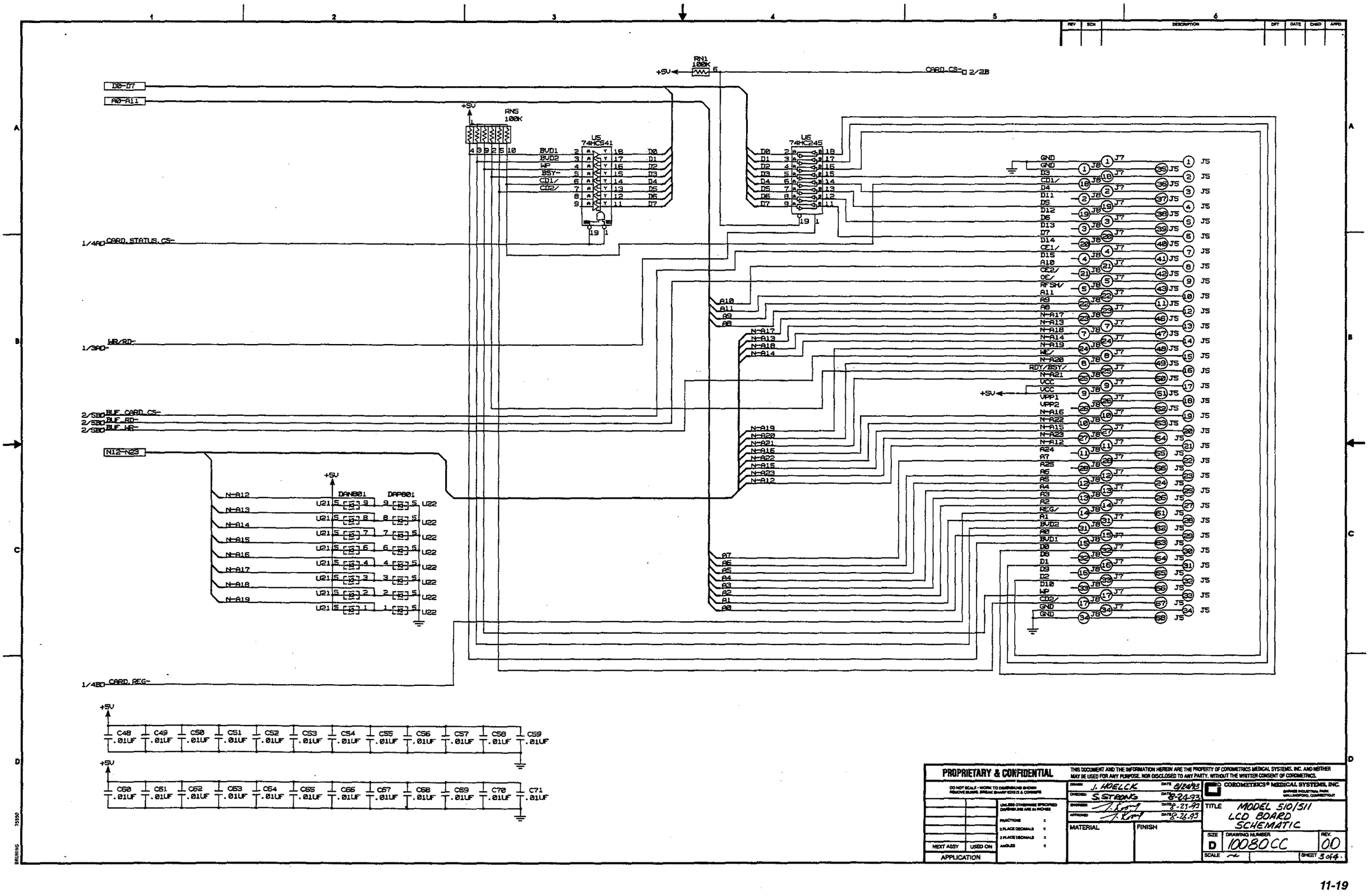
TITLE MODEL 510/511
LCD BOARD
SCHEMATIC

MATERIAL — FINISH —

SIZE D | DRAWING NUMBER 10080CC | REV. 0.0

SCALE — | SHEET 2 of 4

BRUNING 78550


REV
ECN
DESCRIPTION
DFT
DATE
CHKD
APPD
D0-D7
A0-A11
+5V
RN1
100K
CARD_CS-
2/2B
RN5
100K
U5
74HCS41
U6
74HC245
BUD1
BUD2
WP
BSY-
CD1/
CD2/
1/4A0
CARD_STATUS_CS-
WR/RD-
1/3A0
2/5B0
BUF_CARD_CS-
BUF_RD-
BUF_WR-
N12-N23
DAN801
DAP801
U21
U22
1/4B0
CARD_REG-
C48 .01UF
C49 .01UF
C50 .01UF
C51 .01UF
C52 .01UF
C53 .01UF
C54 .01UF
C55 .01UF
C56 .01UF
C57 .01UF
C58 .01UF
C59 .01UF
C60 .01UF
C61 .01UF
C62 .01UF
C63 .01UF
C64 .01UF
C65 .01UF
C66 .01UF
C67 .01UF
C68 .01UF
C69 .01UF
C70 .01UF
C71 .01UF
J7
J8
J5
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FRACTIONS
2 PLACE DECIMALS
3 PLACE DECIMALS
ANGLES
NEXT ASSY
USED ON
APPLICATION
DRAWN J. HOELCK 8/24/93
CHECKED S. STRONG 8-24-93
ENGINEER 8-25-93
APPROVED 8-26-93
MATERIAL
FINISH
COROMETRICS® MEDICAL SYSTEMS, INC.
WALLINGFORD, CONNECTICUT
TITLE MODEL 510/511 LCD BOARD SCHEMATIC
SIZE D
DRAWING NUMBER 10080CC
REV. 00
SCALE
SHEET 3 of 4
75550
BRUNING

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
03						

J1 1 2 3 4 5 6 — CASE

F1 4A

C17 .1UF · RV1 V33MA1B · D14 1N5624 · C18 .1UF · C19 .1UF · T2

C13 .1UF · C14 100PF · C15 100PF · C16 .1UF

C20 470UF

U35 MC34063 — R15 100K · R16 4.7K · Q1 2N3904 · R18 100K · D15 1N4148 · R17 470 · Q2 RFP30P05 · C21 1000PF · D16 1N5818 · C22 100PF · R25 47K · L2 120UH · C23 68UF · D19 1N5624

U37 LM385Z-2.5 · R19 4.99K* · R20 4.99K* · R21 191K* · R22 47K

C26 1UF · C27 .22UF · C28 .01UF · R23 2.2K · R24 100K · U30 TL064A

U30 TL064A — D22 1N4148 · R36 470 · R37 22M · R38 22M · C33 .01UF · C30 .1UF · R39 3.32M* · R40 1M*

CHARGER INDICATOR

U36 LM317LZ — R41 301* — CHARGE 1/2C

B+SENS 1/2B

T1 FLYBACK TRANSFORMER

D23 1N4148 · R42 1M* · D24 1N4933 · C34 1SUF · +12V

C36 .1UF · R43 10K* · D25 1N4148 · D26 1N5818 · C35 1SUF · L3 100UH · -5V

D27 1N4148 · D28 1N4933 · C37 1SUF · R44 499K* · D29 1N4148 · -12V

LT1172CN8 · U32 · C38 1SUF · R45 301K* · R46 475K* · R47 100K* · C39 1UF · Q5 2N3904 · R49 470 · R48 124K* · TL052B · U34 · D30 1N4148

Q4 IRF9531 · C29 .01UF · C31 .01UF · C32 .01UF · U29 4025 · POWER SW. F/F

R31 .1 OHM 3W 1% · C25 68UF · F2 4A · D21 1N5624 · B+ J2 · B+SENS J2 · B-SENS J2 · B- J2 · BATTERY CONNECTOR

R35 100K* · R34 1K*

D17 1N4148 · D18 1N4148 · C24 1UF · R27 6.8M · Q3 2N7000 · R29 150K* · R30 100K* · D20 1N4148 · R26 10K TRIM · CHARGE VOLTAGE · R28 49.9K*

1/2D PWR1 · R32 10K* · 1/2D PWR2

1/2C POWER_BUTTON- · R53 100K* · +5V · Q8 2N3904 · R33 1M* · R54 1M*

1/6C POWER_OFF

Q5 IRF9531 · L1 100UH · +5_ANALOG 1/2C · +5V · C47 33UF

R50 22Ω · Q7 2N7000 · C44 100PF · C45 33UF

R51 100K* · C42 1UF · C43 1UF · U34 TL062B · -12V · RN5 100K · R52 10K* · C46 68UF

U33 AD680JT · C40 .1UF · C41 .1UF · +2.5_REF 1/2C 1/6D

MTG1 MTG2 MTG3 MTG4 · J6 · CGND

NOTE: EARTH GROUND TIED TO CHASSIS AT ONE POINT

U4 74HC00 · U4 74HC00 · U29 4025 · U30 TL064A

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2. RESISTANCE IS IN OHMS.
3. ALL RESISTORS ARE 1/4W, 5%.
4. SIGNAL NAMES FOLLOWED BY A * ARE LOW TRUE. EX: RESET*

HIGHEST COMP. REF. DESIG.	UNUSED
RS4	
C71	
U37	U20
D30	
Q8	
J8	
RN5	

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FRACTIONS ± · 2 PLACE DECIMALS ± · 3 PLACE DECIMALS ± · ANGLES ±

NEXT ASSY 510/511 · USED ON · APPLICATION

DRAWN J. HOELCK 8/24/93 · CHECKED S.STRANG 8/24/93 · ENGINEER T.Ross 8-25-93 · APPROVED T.Ross 8-25-93

COROMETRICS® MEDICAL SYSTEMS, INC. WALLINGFORD, CONNECTICUT

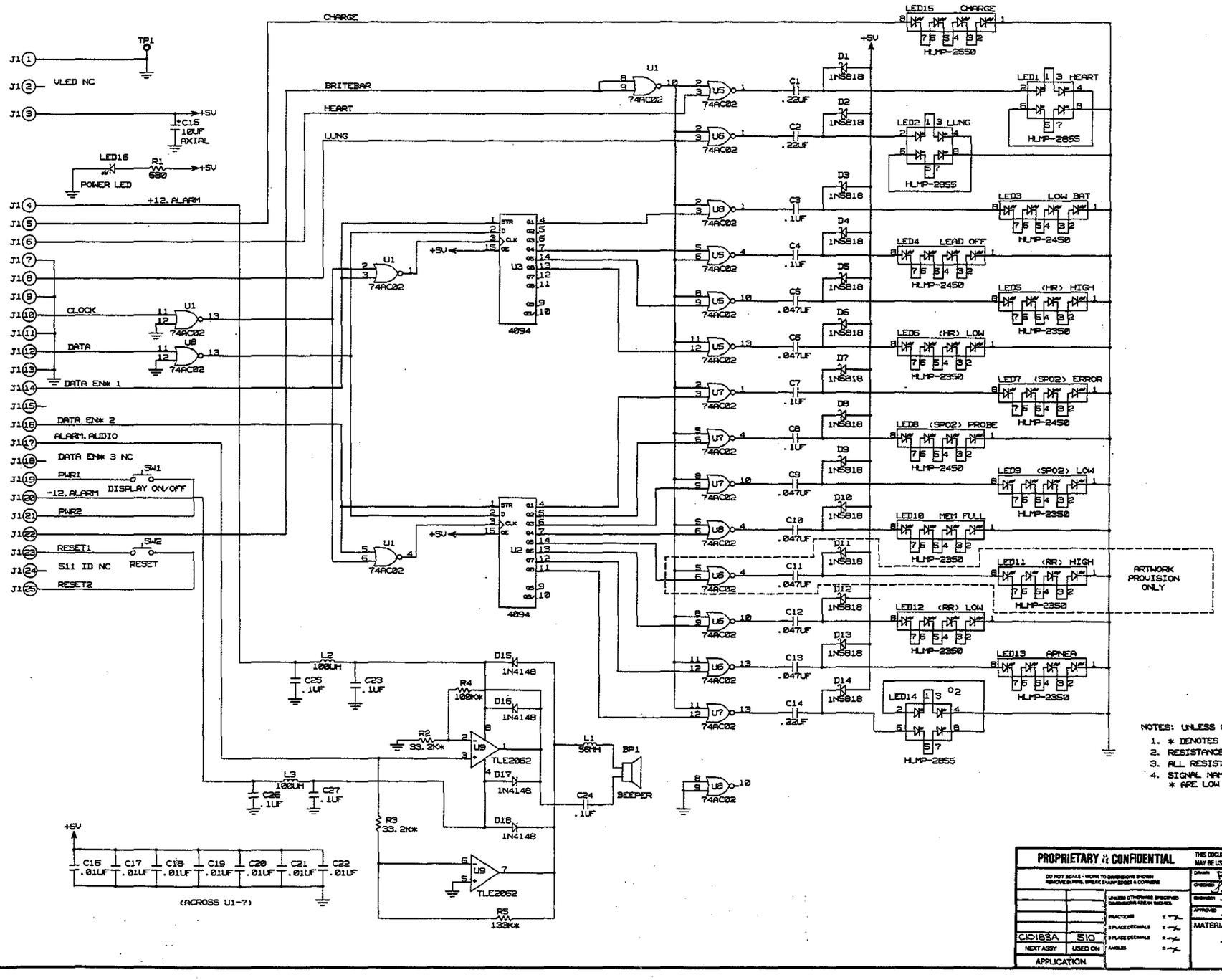
MATERIAL · FINISH

TITLE MODEL 510/511 LCD BOARD SCHEMATIC

SIZE D · DRAWING NUMBER 10080CC · REV. 00 · SCALE N · SHEET 4 OF 4

BRUNING 75550

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
00	9494	NEW RELEASE	CV	8.93	BS	
01	9723	EMV JMP'S	RL	12.93	BS	



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3. ALL RESISTORS ARE 1/4W, 5%.
4. SIGNAL NAMES FOLLOWED BY A * ARE LOW TRUE. EX: RESET*

HIGHEST COMP. REF. DESIG.	UNUSED
C27	
R5	
U9	
TP3	
SW2	
LED16	

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FRACTIONS ±
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±

C10183A	510
NEXT ASSY	USED ON
APPLICATION	

DRAWN R. LIBBY DATE 12.16.93
CHECKED J. Strong DATE 9.8.93
ENGINEER T. Rondy DATE 9-9-93
APPROVED T. Rondy DATE 9-9-93

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

TITLE SCHEMATIC
510 DISPLAY PANEL

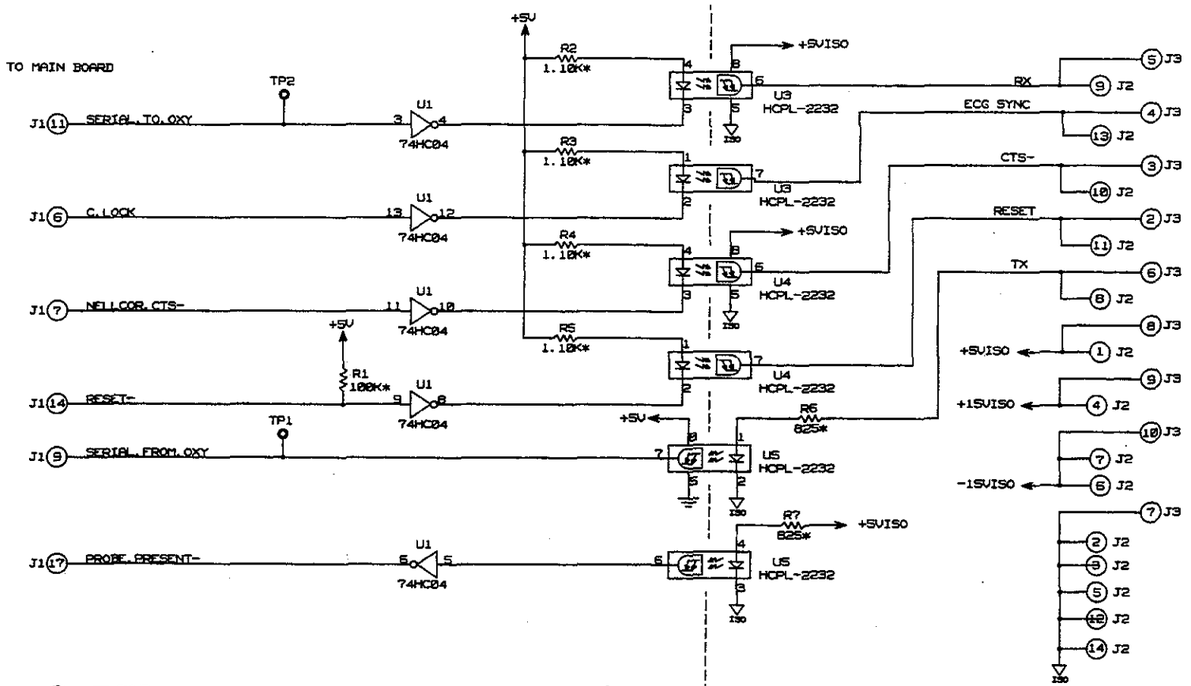
MATERIAL ~ FINISH ~

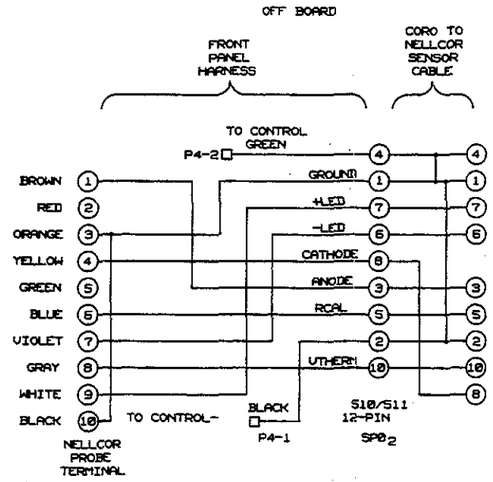
SIZE	DRAWING NUMBER	REV.
D	10183AC	01

SCALE SHEET 1 OF 1

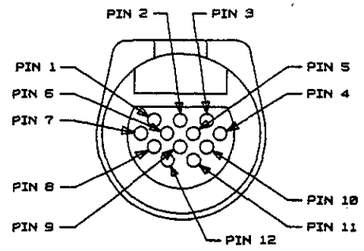
BRUNING 75550

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
00	9431	INITIAL RELEASE	J.C.H.	8/3/93	BS	
01	9999	CHG TO AGREE	JAS	9/94	BS	





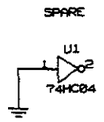
BLACK	2
WHITE	7
GRAY	10
VIOLET	5
BLUE	5
GREEN	4
YELLOW	8
ORANGE	1
RED	11
BROWN	3
COLOR	J2
WIRING CHART	

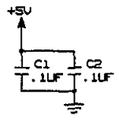


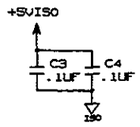
SP02 FRONT PANEL CONNECTOR VIEWED FROM FRONT

J1 4 28.8KHZ N/C
J1 13 OXY.POWER.ON- N/C
J1 3 VBATT N/C
J1 5
J1 8 MINX.PULSATILE N/C
J1 10 NELLCOR/MINX-
J1 12 50/60HZ- N/C
J1 15 MINX.PROBE.ENABLE N/C
J1 16 KEY
J1 18 MINX.SUPPLY.PRESENT- N/C
J1 19 MINX.PERCENT N/C
J1 20 MINX.CAL.OK N/C
J1 22 N/C
J1 24 N/C
J1 21 +5V
J1 23
J1 1
J1 2
J1 25
J1 26

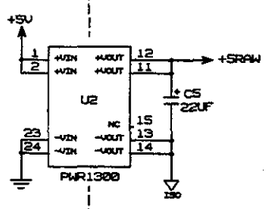
SPARE

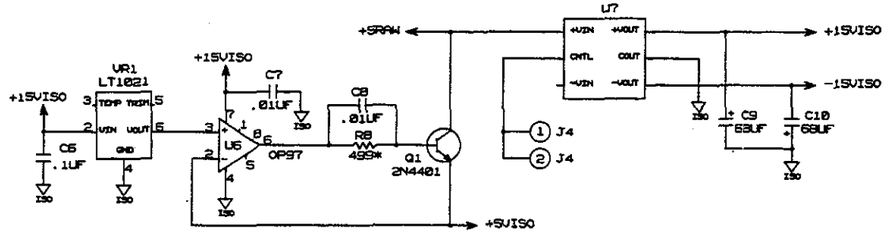


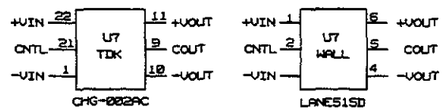


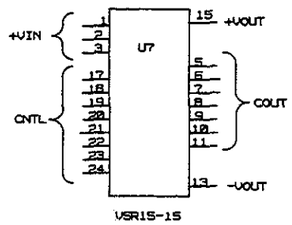


NELLCOR ISOLATED CIRCUITRY









THESE OPTIONS PROVIDE FOR 3 MANUFACTURERS OF U7

NOTES: UNLESS OTHERWISE SPECIFIED
1. * DENOTES 1/8W, 1% RESISTOR.
2. RESISTANCE IS IN OHMS.
3. ALL RESISTORS ARE 1/4W, 5%.
4. SIGNAL NAMES FOLLOWED BY A * ARE LOW TRUE. EX: RESET*

HIGHEST COMP. REF. DESIG.	UNUSED
C10	
J4	
Q1	
R8	
U7	
VR1	

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DO NOT SCALE - WORK TO DIMENSIONS SHOWN. REMOVE BURRS, BREAK SHARP EDGES & CORNERS
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ±
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±
NEXT ASSY | USED ON: S10/S11E
APPLICATION

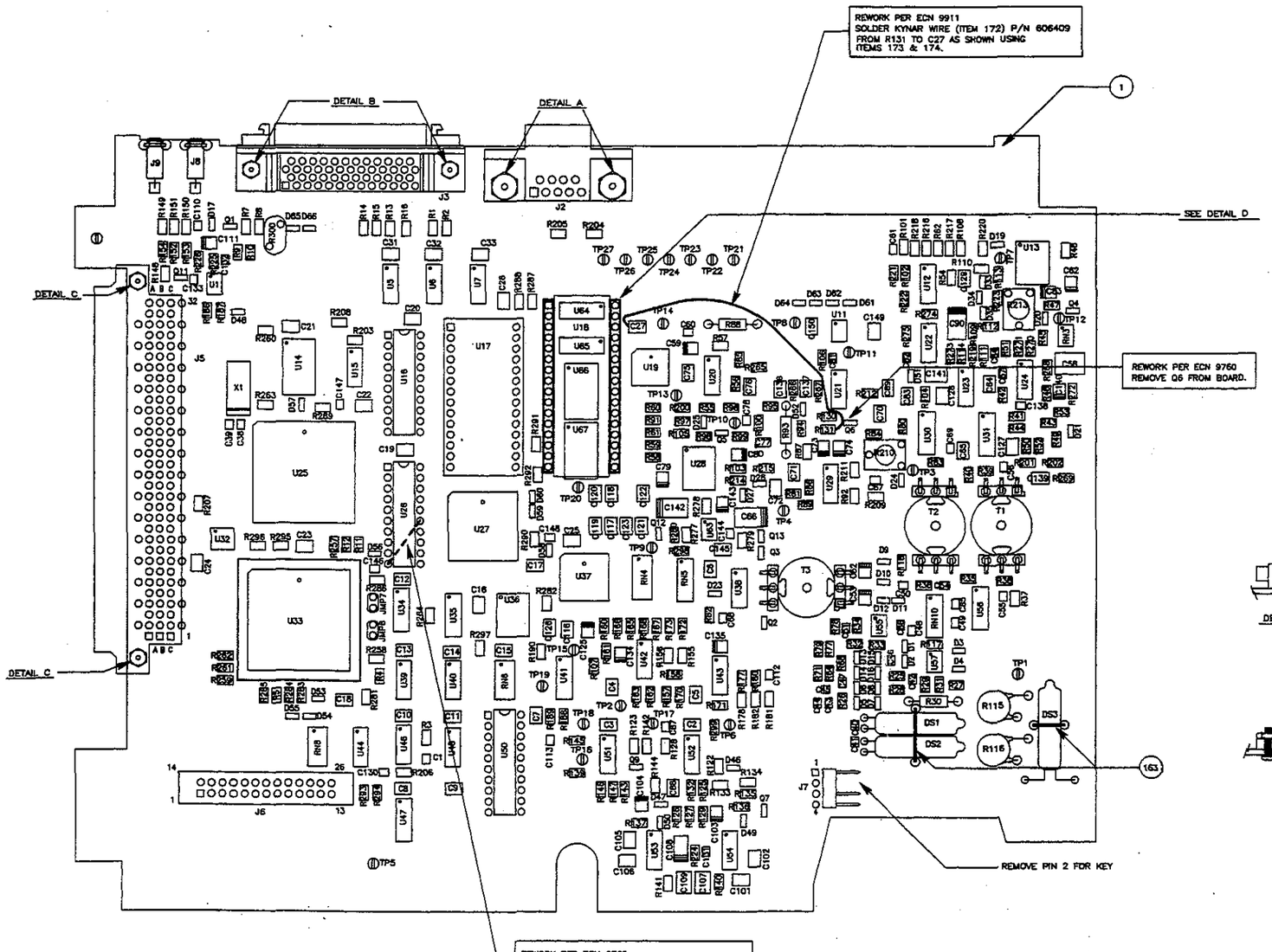
DRAWN J. HOELCK DATE 8/5/93
CHECKED S. STRONG DATE 8/3/93
ENGINEER J. Kent DATE 8/5/93
APPROVED J. Kent DATE 8/5/93

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK, WALLINGFORD, CONNECTICUT

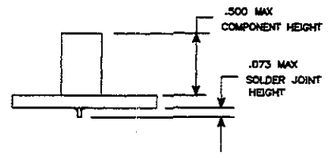
TITLE MODEL S10 NELCOR OPTION BOARD SCHEMATIC
MATERIAL ~ FINISH ~
SIZE D | DRAWING NUMBER 10944AC | REV. 01
SCALE ~ | SHEET 1 of 1

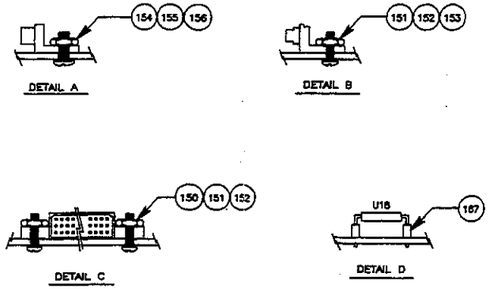
BRUNING 75550

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
01	9911	SEE ECN	[illegible]	3/94	BS	DL


REWORK PER ECN 9911
SOLDER KYNAR WIRE (ITEM 172) P/N 606409
FROM R131 TO C27 AS SHOWN USING
ITEMS 173 & 174.
DETAIL B
DETAIL A
DETAIL C
SEE DETAIL D
REWORK PER ECN 9760
REMOVE Q6 FROM BOARD.
REMOVE PIN 2 FOR KEY
REWORK PER ECN 9760
SOLDER KYNAR WIRE (ITEM 172) P/N 606409
FROM U26 PIN 10 TO U26 PIN 15 ON SOLDER
SIDE OF BOARD.

NOTES:
1—OBSERVE POLARITY AND ORIENTATION MARKING OF ALL COMPONENTS.
2—INSERTS COMPONENTS FULLY INTO BOARD.
3—FOR SCHEMATICS DRAWING SEE 9814CE
4—STORE IN ANTISTATIC BAG. P/N 410080 – NOT SHOWN.
5—FOR PARTS LIST SEE P/L 9814C





REWORK

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REMOVE BURRS, BREAK SHARP EDGES & CORNERS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ± [illegible]
2 PLACE DECIMALS ± [illegible]
3 PLACE DECIMALS ± [illegible]
ANGLES ± [illegible]

NEXT ASSY	USED ON
10324 TAB	
10323 TAB	
10322 TAB	
10321 TAB	510/511

APPLICATION

DRAWN S. Stang DATE 3-18-94
CHECKED D. SHOTWELL DATE 4-25-94
ENGINEER [illegible] DATE 4/25/94
APPROVED [illegible] DATE 4/25/94

MATERIAL [illegible]
FINISH [illegible]

CORDMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

TITLE ASSEMBLY DWG
510/511 MAIN BOARD

SIZE	DRAWING NUMBER	REV.
D	9614C	01

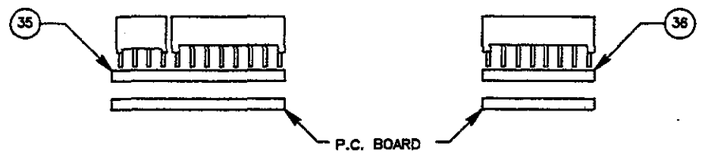
SCALE 1.75 SHEET 1 OF 1

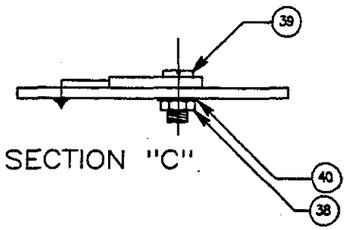
BRUNING 7550

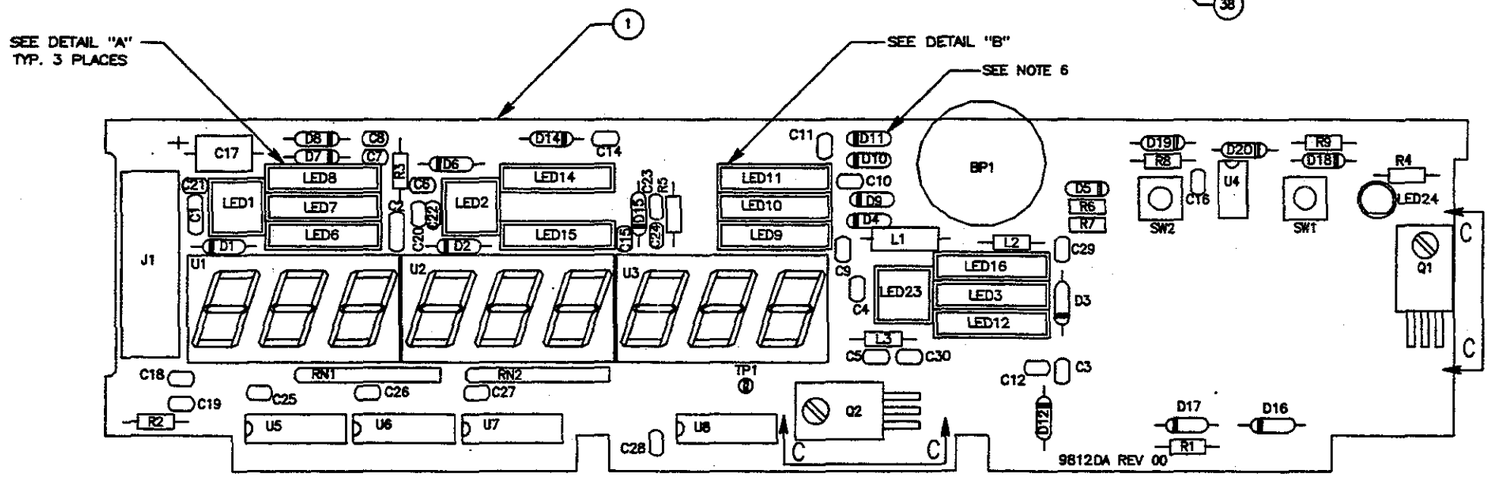
REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
01	9711	RMV JMP1	RL	11-93	BS	

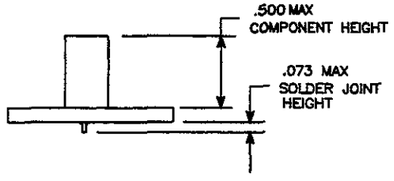
DETAIL "A"

DETAIL "B"









NOTES:
1—OBSERVE POLARITY AND ORIENTATION MARKING OF ALL COMPONENTS.
2—INSERT COMPONENTS FULLY INTO BOARD.
3—FOR SCHEMATIC DRAWINGS SEE 9812AC.
4—STORE IN ANTISTATIC BAG. P/N 410080 – NOT SHOWN.
5—FOR PARTS LIST SEE P/L 9812A.
6—INSTALL D4,D5,D9,D10,D11,R6 AND R7 WITH LEADS BENT UNDER THIER BODY.

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REMOVE BURRS, BREAK SHARP EDGES & CORNERS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ± X
2 PLACE DECIMALS ± X
3 PLACE DECIMALS ± X
ANGLES ± X

NEXT ASSY	USED ON
C10320A	511

APPLICATION

DRAWN	R. LIBBY	DATE 12-1-93
CHECKED	S STRONG	DATE 8-23-93
ENGINEER		DATE 8-24-93
APPROVED		DATE 8-24-93

MATERIAL X FINISH X

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

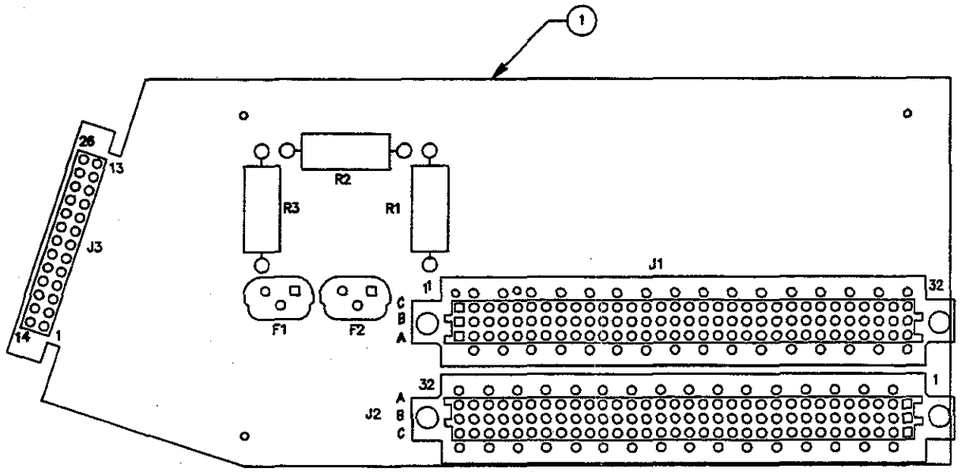
TITLE ASSY DWG
DISPLAY PANEL

SIZE	DRAWING NUMBER	REV.
C	9812A	01

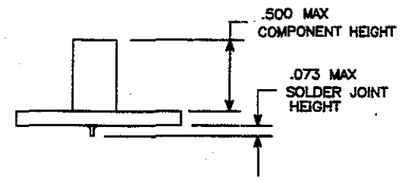
SCALE 1-5 SHEET 1 OF 1

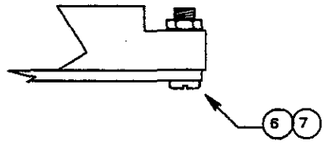
BRUNING 7124 FORM # 8235

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
01	9501	SEE ECN	RL	10-93	BS	T.K.



NOTES:
1–OBSERVE POLARITY AND ORIENTATION MARKING OF ALL COMPONENTS.
2–INSERT COMPONENTS FULLY INTO BOARD.
3–FOR SCHEMATIC DRAWINGS SEE D9966AC.
4–STORE IN ANTISTATIC BAG. P/N 410080 – NOT SHOWN.
5–FOR PARTS LIST SEE P/L 9966A.





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REMOVE BURRS, BREAK SHARP EDGES & CORNERS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ± X
2 PLACE DECIMALS ± X
3 PLACE DECIMALS ± X
ANGLES ± X

NEXT ASSY	USED ON
D10324X	511/511E
D10322X	510/510E

APPLICATION

DRAWN	R. LIBBY	DATE 10-13-93
CHECKED	J. Stone	DATE 7/22/93
ENGINEER	T. Koong	DATE 9/5/93
APPROVED	T. Koong	DATE 9/5/93

MATERIAL	FINISH
X	X

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

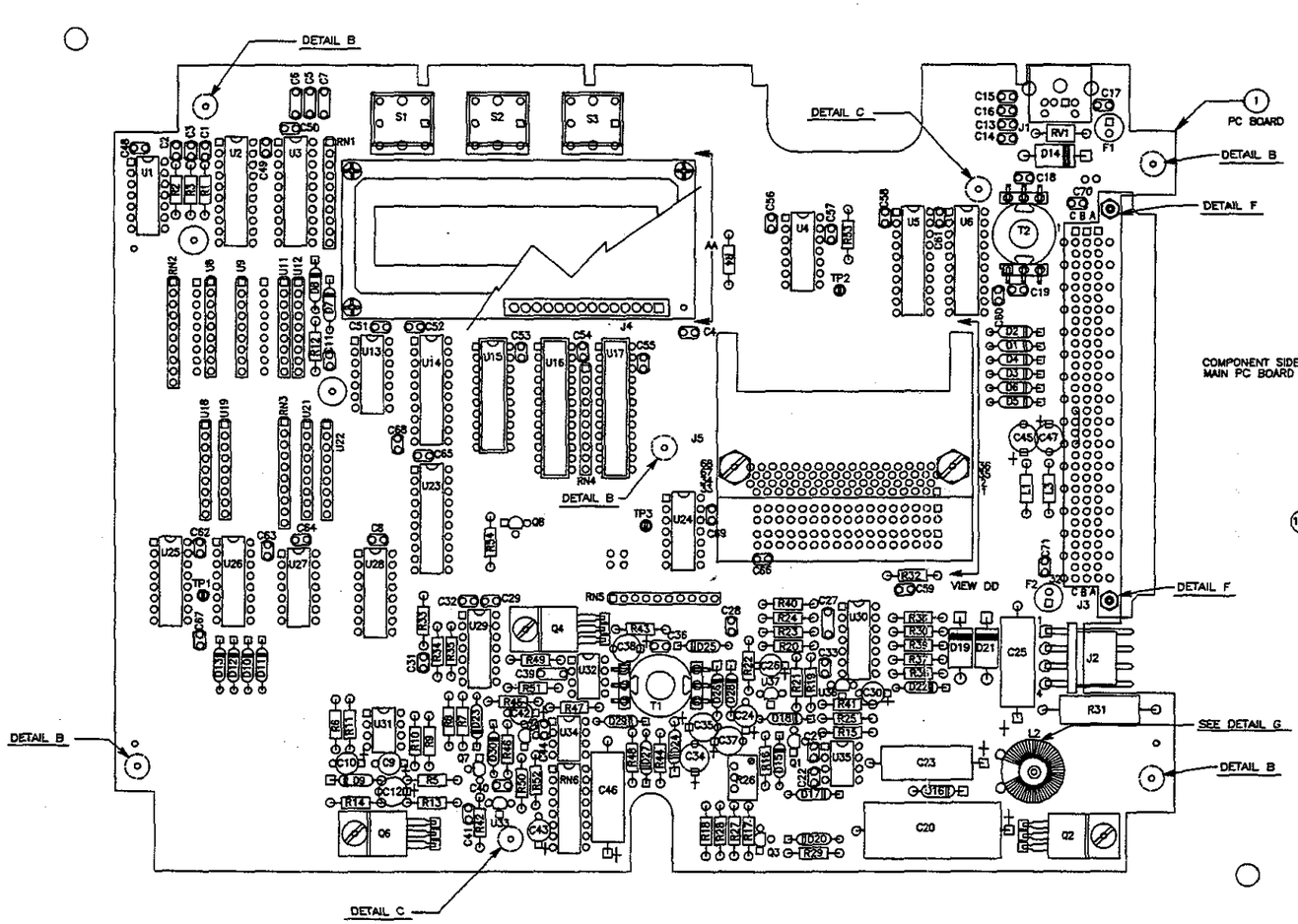
TITLE ASSY DWG
INTERCONNECT BOARD

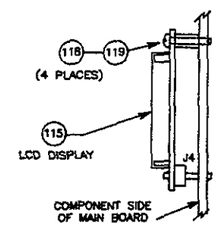
SIZE	DRAWING NUMBER	REV.
C	9966A	01

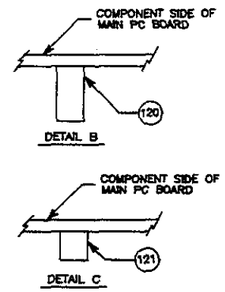
SCALE | SHEET 1 OF 1

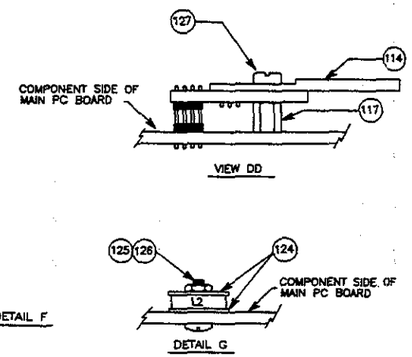
BRUNING 71324 FORM # 8235

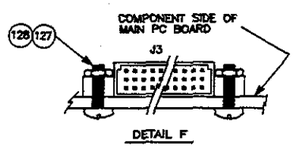
REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
00	9911	SEE ECN	SAS	3/94	BS	DR



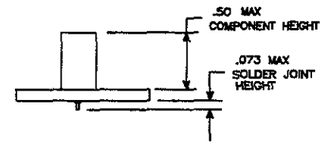








NOTES:
1–OBSERVE POLARITY AND ORIENTATION MARKING OF ALL COMPONENTS.
2–INSERTS COMPONENTS FULLY INTO BOARD.
3–FOR SCHEMATICS DRAWING SEE 10080CC
4–STORE IN ANTISTATIC BAG. P/N 410080 – NOT SHOWN.
5–FOR PARTS LIST SEE P/L 10080C.
6–SEE DETAIL E FOR MOUNTING Q2,Q4,Q6



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DO NOT SCALE - WORK TO DIMENSIONS SHOWN
REMOVE BURRS, BREAK SHARP EDGES & CORNERS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ±
1 PLACE DECIMALS ±
2 PLACE DECIMALS ±
ANGLES ±

DIO322198	510
DIO324198	511
NEXT ASSY	USED ON
APPLICATION	

DRAWN S. STRONG DATE 3-17-94
CHECKED J. HOELCK DATE 3-23-94
ENGINEER DATE
APPROVED J. Roney DATE 3-26-94

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

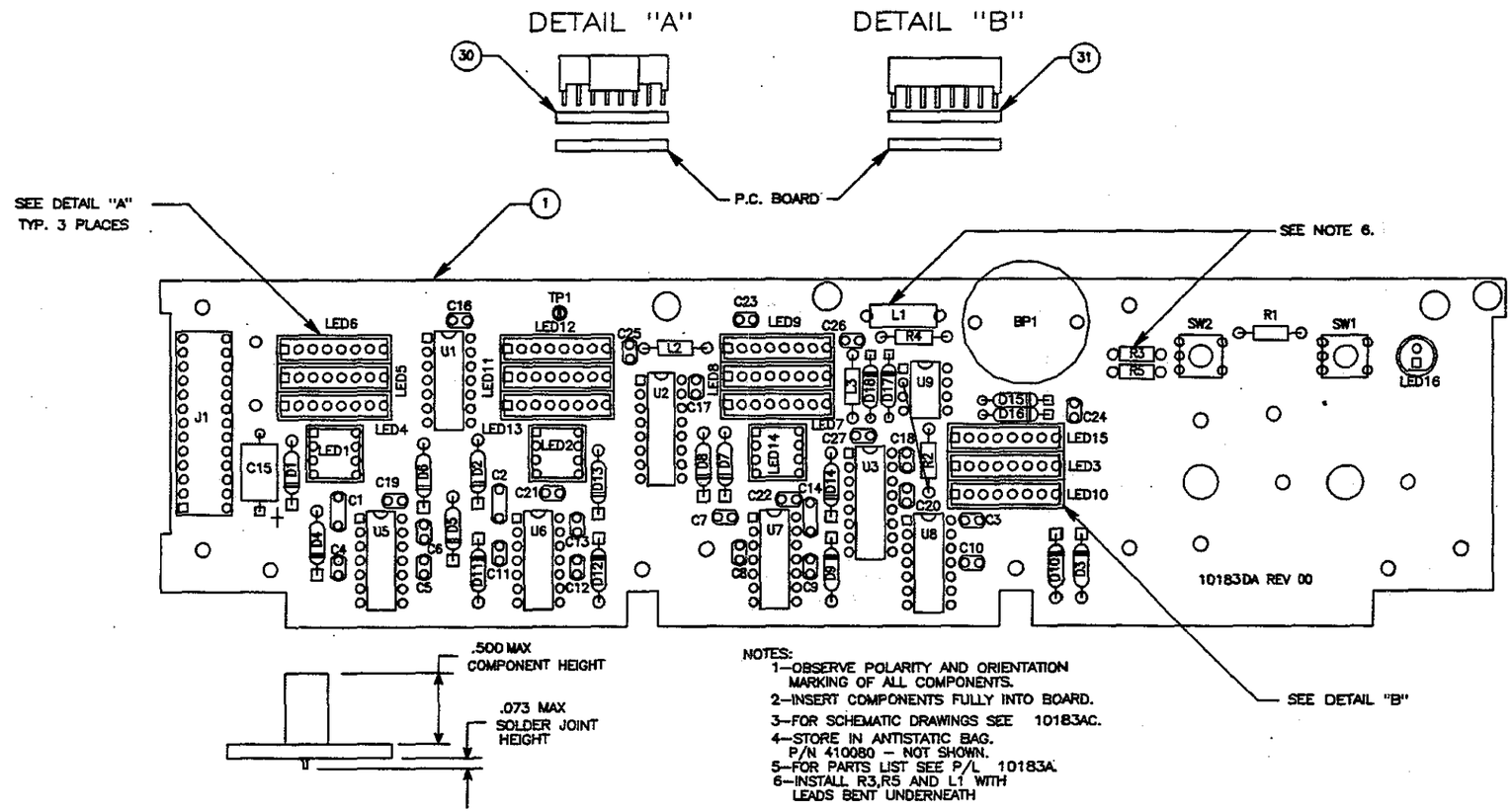
TITLE ASSEMBLY DWG
LCD BOARD

MATERIAL ~ FINISH ~

SIZE D | DRAWING NUMBER 10080C | REV. 00
SCALE 1:6 | SHEET 1 OF 1

BRUNING 75559

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
00	9494	NEW RELEASE	CV	8-93	BS	
01	9723	RMV JMP1	PL	12-93	BS	



NOTES:
1—OBSERVE POLARITY AND ORIENTATION MARKING OF ALL COMPONENTS.
2—INSERT COMPONENTS FULLY INTO BOARD.
3—FOR SCHEMATIC DRAWINGS SEE 10183AC.
4—STORE IN ANTISTATIC BAG. P/N 410080 – NOT SHOWN.
5—FOR PARTS LIST SEE P/L 10183A.
6—INSTALL R3,R5 AND L1 WITH LEADS BENT UNDERNEATH

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FRACTIONS ±
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±

NEXT ASSY	USED ON
10317B	510
10318A	510

APPLICATION

DRAWN	R. LIBBY	DATE 12-16-93
CHECKED	S. Strong	DATE 9/8/93
ENGINEER	T. Kenny	DATE 9-9-93
APPROVED	T. Kenny	DATE 9-9-93

MATERIAL —
FINISH —

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

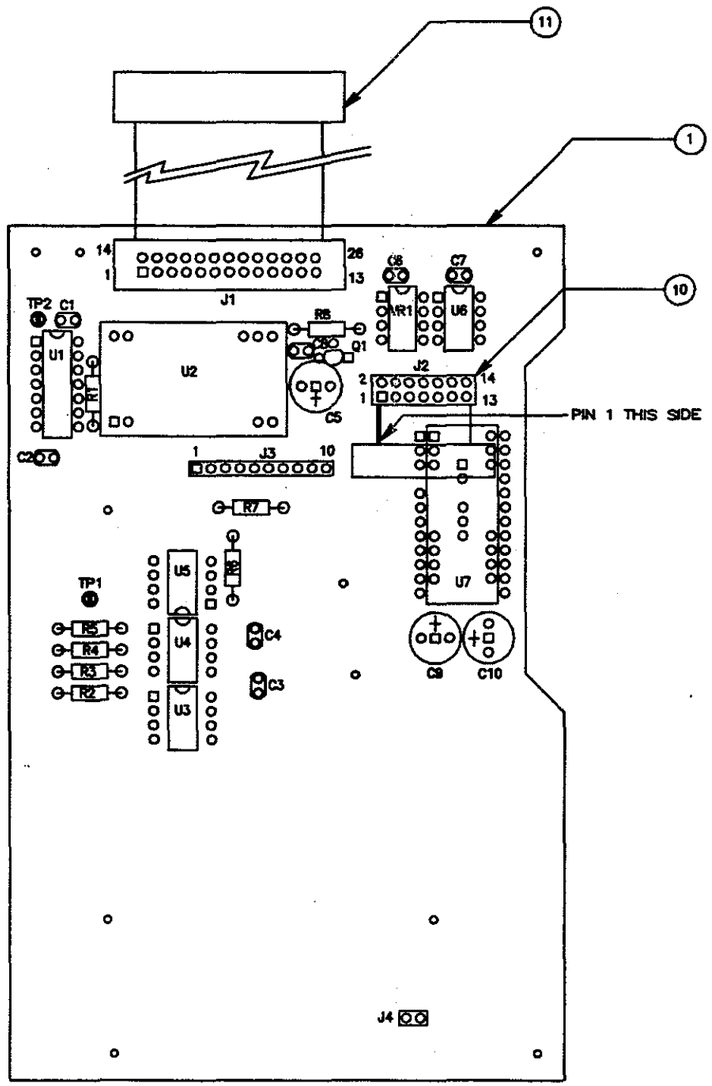
TITLE ASSEMBLY DWG
510 DISPLAY PANEL BD.

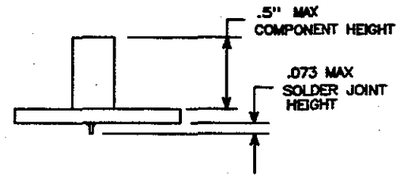
SIZE	DRAWING NUMBER	REV.
C	10183A	01

SCALE 1.5:1 SHEET 1 OF 1

BRUNING 71324 FORM # 8335

REV	ECN	DESCRIPTION	DFT	DATE	CHKD	APPD
00	9431	INITIAL RELEASE	J.C.H.	7/30/93	BS	J.K.
01	9999	CHG TO AGREE-RMV ITEM 12	SAS	9/21	BS	~~J.K.~~





NOTES:
1—OBSERVE POLARITY AND ORIENTATION MARKING OF ALL COMPONENTS.
2—INSERT COMPONENTS FULLY INTO BOARD.
3—FOR SCHEMATIC DRAWINGS SEE 10944AC.
4—STORE IN ANTISTATIC BAG. P/N 410080 – NOT SHOWN.
5—FOR PARTS LIST SEE P/L 10944A.

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REMOVE BURRS, BREAK SHARP EDGES & CORNERS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ±
2 PLACE DECIMALS ±
3 PLACE DECIMALS ± ~~±~~
ANGLES ±

NEXT ASSY	USED ON
C11179A	510/511

APPLICATION

DRAWN	J. HOELCK	DATE 7/30/93
CHECKED	S. STRONG	DATE 7/30/93
ENGINEER	T. Kong	DATE 8/5/93
APPROVED	T. Kong	DATE 8/5/93

MATERIAL ~~+~~ FINISH ~~+~~

COROMETRICS® MEDICAL SYSTEMS, INC.
BARNES INDUSTRIAL PARK
WALLINGFORD, CONNECTICUT

TITLE MODEL 510
NELCOR OPTION BOARD
ASSEMBLY DRAWING

SIZE	DRAWING NUMBER	REV.
C	10944A	01

SCALE 1.5 SHEET 1 of 1

BRUNING T1254 FORM # 8235